

DERWENT-ACC-NO: 1991-216362

DERWENT-WEEK: 199703

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TITLE: Hand-held adhesive applicator - consists of cylinder
with nozzle at one end and has piston to expel
adhesive

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17,
1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
DE 4037271 A	July 18, 1991	N/A	000
N/A			
KR 9505012 B1	May 17, 1995	N/A	000
E04G 023/02			
GB 2240139 A	July 24, 1991	N/A	000
N/A			
FR 2657029 A	July 19, 1991	N/A	000
N/A			
GB 2240139 B	November 3, 1993	N/A	000
E04G 023/02			
DE 4037271 C2	February 3, 1994	N/A	004
B05C 017/005			
IT 1242206 B	February 16, 1994	N/A	000
E04G 000/00			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 4037271A	N/A	1990DE-4037271	
November 23, 1990			
KR 9505012B1	N/A	1990KR-0015772	
September 28, 1990			
GB 2240139A	N/A	1990GB-0023869	
November 2, 1990			
GB 2240139B	N/A	1990GB-0023869	
November 2, 1990			
DE 4037271C2	N/A	1990DE-4037271	
November 23, 1990			
IT 1242206B	N/A	1990IT-0048574	
December 14, 1990			

INT-CL (IPC): B05C005/02, B05C017/00 , B05C017/005 , B65D083/76 ,

E04F021/12 , E04G000/00 , E04G023/02

RELATED-ACC-NO: 1992-166108

ABSTRACTED-PUB-NO: DE 4037271A

BASIC-ABSTRACT:

The device is used for applying adhesive. It consists of a cylindrical container (11) for the adhesive. This container (11) has a nozzle at one end and is open at the other end. The open end receives a piston which is used to drive the adhesive out through the nozzle.

The piston has a piston rod (2) of cruciform cross-section. Two opposite arms of the cruciform section has rows of notches (7) formed along their edges. A pin (12) which passes through holes (4') in the cylinder wall engages one of the notches (7) in order to retain the piston in the cylinder.

USE - Application of adhesive.

ABSTRACTED-PUB-NO: GB 2240139B

EQUIVALENT-ABSTRACTS:

A dispensing apparatus for dispensing a viscous material comprising: a cylinder for containing said material, said cylinder being provided with a dispensing outlet at a first end thereof and at least one opening in the wall thereof towards its other end; a piston movable within said cylinder to cause material to be dispensed, said piston having at least one cutout portion; and a pin insertable into the opening in said cylinder wall so that it engages the cutout portion of said piston to prevent relative linear movement between said piston and said cylinder, the arrangement being such that said pin is disengaged from said cutout portion by relative axial rotation between said piston and said cylinder, thereby enabling said piston to be moved linearly within said cylinder to cause said material to flow through said dispensing outlet.

DE 4037271C

An adhesives spray nozzle cylinder contains a piston which moves forward under compressive load. The end of the cylinder (11) has two adjacent holes (4') joined by a slot (5) so a pin (12) run through the holes can engage

recesses

(7) on the piston (1) inside the cylinder (11). The piston typically comprises plates (3,4) and compressive rubber part at the forward end of the piston shaft together with the nozzle (17) set to the loading end of the cylinder and threaded to engage the injection etc. pipe used to apply the adhesive.

Thus when the piston is twisted round, the plate recesses (7) engage the pin (12) and force this out by expanding the slot (5) between the two holes (4'), thus enabling the piston to advance in the cylinder. A scale is provided to check on adhesive volume, with the pin and recesses and holes lined up, with the scale for simple reading.

USE/ADVANTAGE - Coating etc. Simple twist-action releases piston from arresting pin so as to feed the adhesive.

CHOSEN-DRAWING: Dwg.3/3 Dwg.1/3 Dwg.2,3/3

TITLE-TERMS: HAND HELD ADHESIVE APPLY CONSIST CYLINDER NOZZLE ONE END PISTON

EXPEL ADHESIVE

DERWENT-CLASS: P42 Q34 Q45 Q46

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1991-165072

FIG. 1

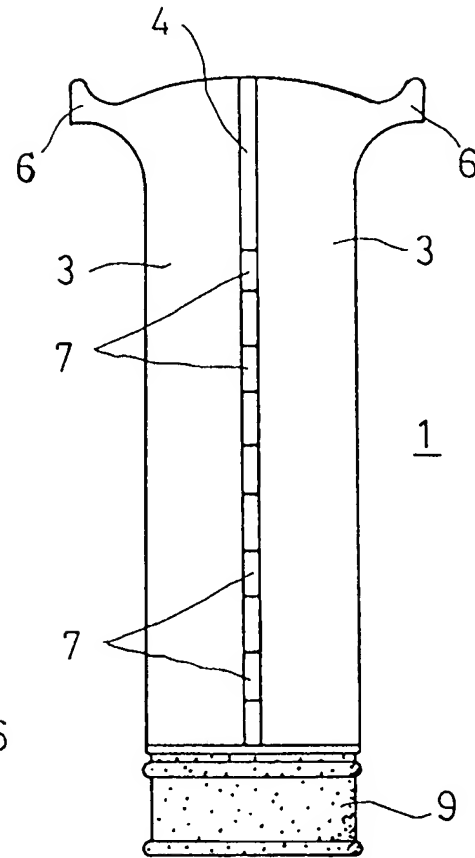


FIG. 2

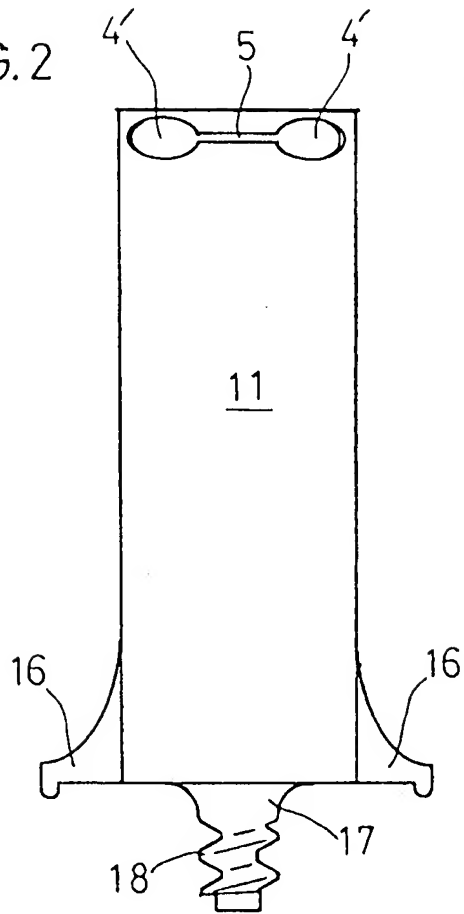


FIG. 3

